

Synthesis of Polyamidoacids and Polyimides  
from 4,4 Diaminodiphenyl Sulfide and Pyro-  
mellitic Dianhydride, by S. A. Zakoashchikov.  
RUSSIAN, per, Vysokomoleku Soedin, Ser B,  
Vol 9, No 10, 1967, pp 757-760.  
NASA TT F-12,223

Sc9-Chem  
July 69

388,570

Investigation of Molecular Motion in Solid Xylan  
by the Nuclear Magnetic Resonance Method, by  
Yu. Zelenov, V. Glazkov.  
RUSSIAN, per, Vyzokomolet Soedin, Vol 9B, 1967,  
pp 776-779.  
CSIRO/No 9570

Sci/Phys  
July 69

385-993

Specific Solvent Effect on the Magnitude of the  
Energy of Cohesion of Polymers in Solution, by  
S. B. Nesterov, V. E. Eskin, 4 pp.  
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya.  
Vol IX, Series B, No 11, pp 812-814.  
ACSI J-4905  
ASTC-HT-23-84-68

Sci-Phys  
Dec 68

354,010

Determination of Intrinsic Viscosity of Polymer  
Solutions from a Single Measurement, by

A. A. Berlin.

RUSSIAN, per, Vysokomol Soedin, Vol 10 B, No 1,  
1968, pp 21-24.

ATS RJ-5361

Sci-Chem

June 70

Electron-Microscopic Study by the Replica  
Method of Particles of Radiochemically  
Sulfochlorinated Polyethylene and Poly-  
propylene Powders, by L. G. Khomenkov.  
RUSSIAN, par. Vysokomolekul Soedin, Vol 10,  
No 1, Ser B, 1968, pp 34-36.  
ATS RJ-4909

Sci-Mat  
Feb 69

202 224

Polymerization of Acrylamide and Some Other Acrylic  
Monomers in the Presence of Precipitants, by  
L. M. Novichkova.  
RUSSIAN, per, Vysokomol Soedin, Vol 10 B, No 1,  
1968, pp 55-57.  
ATS RJ-5362

Sci-Chem  
June 70

Determination of the Concentration of Crosslinks  
in the Structure Formation of Rubbers With  
Alkylphenol Formaldehyde Resins, by  
L. M. Kurachenkova, A. G. Schwarts.  
RUSSIAN, per, Vysok Soed, Vol 10B, No 2, 1968,  
pp 104-108.  
MLL Ref: 5828.4F (M.13049)

Sci/Mat  
May 69

381,009

The Mutual Effect of Light Stabilizers and  
Heat Stabilizers for Polypropylene, by  
Z. B. Chelnokova.  
RUSSIAN, per, Vysokomolekul Soedin, Vol 10,  
No 2, Ser B, 1968, pp 123-125.  
ATS RJ-4908

Sci-Mat  
Feb 69

373,733



Synergism of Mixture of Phenols with Phosphorous  
Acid Esters, by Z. B. Chelnokova.  
RUSSIAN, per, Vysok Soed, Vol 10 B, No 2, 1968,  
pp 126-128.  
NLL Ref:9022.84 (1629)

Sci-Chem  
Feb 70

401,488

The Temperature-Time Relationship of the  
Strength of Mixtures of Atactic and Isotactic  
Polypropylene, by I. S. Lyakhovich.  
RUSSIAN, per, Vysokomolekul Soedin, Vol 10,  
No 3, Ser B, 1968, pp 154-157.  
ATS RJ-4907

Sci-Mat  
Feb 69

373,732

Preparing Mixed Zinc Polyphosphinates, by V. V.  
Korshak, S. P. Krukovskiy, V. Ye. Sholina, and  
V. G. Danilov.  
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya.  
Seriya B., Vol 10, No 3, 1968, pp 160-163.  
PTD-S-287

17 D Special 230 68

Jan 69

574,221

The Formation of Low Molecular Weight Hydrocarbons During the Breakdown of Polypropylene Hydroperoxide, by L. A. Tamarenko.  
RUSSIAN, per, Vysok Soed, Vol 10 B, 1968,  
No 4, pp 287-291.  
NLL Ref:9022.84 (1621)

Sci-Chem  
Feb 70

401,497

Graft Copolymerization of Styrene and  
Synthetic Rubbers, by I. A. Khanukaeva.  
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,  
Vol 10B, No 6, 1968, pp 418-421.  
NTC-71-11536-11I

Feb 72

Application of Pyrolysis Gas Chroma-  
tography to the Study of the Kinetics of  
Cyclisation of Polyisoprene Rubber,  
by V. R. Alishoov.  
RUSSIAN, per, Vysokomol. Soed., Vol 10B,  
No 6, 1968, pp. 432-5.  
NLL Ref: 5838.4F (M.13084)

Sci-Chem  
July 69

38714222

38714222

Investigation of the Chemical Mechanism of  
Reactions Between Rubber and Bis-chlor-  
aromatic Compounds Leading to Vulcanisation,  
by L. A. Murashova.

RUSSIAN, per, Vysok Soed, Vol 10b, No 10,  
1968, pp 750-754.

NLL Ref: 5828.4F (M.13131)

Sci-MEN Chem  
Sept 69

391,078

Concerning the Influence of the Nature of the  
Environment on the Values of Growth Constants and of  
Chain Rupture in Radical Acrylamide Polymerizing,  
by V. F. Gromov.  
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol 10B,  
1968, pp 754-757.  
NTC-71-10494-07C

Nov 71



K. A. Makarov

Gas-Liquid Chromatographic Study of Co-Polymerization.  
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol 10B,  
1966, pp 757-759.  
NPG 72-13534-07C

Nov 72

Synthesis of Phosphorous Homo- and Mixed Aromatic Polyimides, by G. S. Kolesnikov. 5 pp.  
RUSSIAN, per, Vysok Soed, Ser B, Vol 10,  
No 10, 1968, pp 781-783.  
NASA TT F-12,569

Sci-Chem  
Nov 69

395,782

Thermal Effects During Deformation of Solid  
Polymers, by G. L. Slonimskiy.  
RUSSIAN, per, Vysokomol. Soedin. Ser. B., 1968,  
Vol 10, No 11, pp 798-799.  
FTD HT Special 577-69

dec 69

398,564

Three Dimensional Polyamides Containing  
Phosphorus, by E. B. Trostyanskaya.  
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,  
Vol 10B, No 11, 1968, pp 841-844.  
NTC-70-13071-111

Feb 72

CHUIKOVA, L. F. and others. Structure and properties of  
latex films as affected by the pH of the latex.  
Vysokomolek. Soedin. 11B(2):123-6 (1969)  
(NLL/RTS 5451 12s. 6d.)

Poly(Methyl Methacrylate) Electrets, by  
A. N. Rubkin.  
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,  
Vol 11B, 1969, pp 154-157.  
WFO-71-10818-07D

Nov 71

relation between molecular weight  
and the kinetics of Radical Poly-  
merization, by S. I. Lernerstein,  
INDUSTRIAL, POLYMER, 2, 506-514 (1967)  
Coordination, vol. 11, no. 4, 1117,  
p. 1122.

227 72

Reactivity of Diamines and Effect of Their  
Structure in the Synthesis of Polyamides  
by S. A. Zakoshchikov. 5 pp  
RUSSIAN, per, Vysokomolekululyarnye Soedineniya,  
vol. 10, no. 1, pp 408-409, 1977  
RSC 12-11341-07C  
NAB 77 1 13 178

Jan 78



REQ. TR CHECK

18-9-31

HR70-1832

Synthesis and characteristics of some perfluor-  
oalkylenetriazine polymers

Fedorova, G.B., Dolgopol'skii, I.M.

Russ per: Vysokomol. Soedin. Ser B 1970, vol 12,  
no 1, 14-16

*In process as*

*HT-23-830-70*

*Negative*  
*20 Oct 70*

REQ TR CHECK

7139

CHROMATOMASS-SPECTROMETRIC APPARATUS  
FOR STUDIES OF THERMODEGRADATION OF  
POLYMERS

NIKOLAYEVA N A

UR: VYSOKOMOLEKULYARNYYE SOYEDINENIYA

1970, vol 12, nr 11

A

pp2625-2629

*In process as**45-23-71-0704-**Negative  
24 Sept 71*

Nature of the Crosslinks in CIS-Polybuta-  
diene Crosslinked With Allylphenol-  
disulphide-Formaldehyde Oligomers, by  
I. L. Aizinson.  
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,  
Vol 12B, No 4, 1970, pp 287-290.  
NTC-71-11530-11J

Feb 72

Luminescence in Polyurethanes, by  
V. K. Belyakov,  
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,  
Vol 128, No 4, 1970, pp 295-298.  
NTC-71-11761-07D

Feb 72

The Use of Diperoxide and Triperoxide Compounds  
for the Production of Block Copolymers, by  
S. S. Ivanchev.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya,  
Vol 12B, 1970, pp 466-468.  
NTC-71-12105-111

Nov 71

Conversion of Thermo-Oxidation Inhibitors into  
Polyconjugated Compounds with Higher Inhibiting  
Activity, by A. A. Berlin, et al.  
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,  
Vol 12B, No 8, 1970, pp 563-564.  
NTC 71-14786-07C

Feb 72

The Compatibility of a Butadiene-Styrene Block  
Copolymer With Styrene Homopolymer, by M. S. Akutin.  
RUSSIAN, per, Vysokomolekulyarnye Soedineniya  
Vol 12B, 1970, pp 606-609.  
NTC-71-12106-11I

Nov 71

N. S. Maizel

Investigation of the Effect of the Degree of  
Cross-Linking and the Mechanical Properties of  
Copolymers of Unsaturated Polyesters.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya  
Vol 12B, 1970, pp 732-736.

NTC 72-13676-111

Nov 72



V. I. Kovalenko

Crystallinity of Some Block-Polyester  
Urethanes Based on Two Crystallizing  
Polymorphous Blocks.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya,

Vol 13B, 1971, pp 12-15

NTC 72-13289-111

sept 72

K. A. Leitman

Efficiency of Hydroxybenzophenones as Light  
Stabilizers for Polymers.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya,  
Vol 13B, No 1, 1971, pp 81-86  
NTC 72-12605-11I

sept 72

N. V. Panova

Investigation of the Effect of the Method of  
Synthesis on the Properties of Thermoplastic  
Block Polyurethanes.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya,

Vol 13B, No 2, 1971, pp 129-132

NTC 72-12753-111

sept 72

About the Problem of Stress Relaxation in Polymers  
Strained Under Forced Elasticity Conditions, by  
S. A. Arzhakov.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya,  
Vol 13B, 1971, pp 318-319.  
NPG 72-14327-111

Jan 73

R. Khalmirsaeva

Chemical Photostabilization of Cellulose  
Acetate Film.  
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,  
Vol 13B, 1971, pp 325-329  
NTC 72-13259-11I

sept 72

Polyurethanes Based on Sulpholanil-  
Containing Oligoesters, by  
S. I. Omelchenko.  
RUSSIAN, per, Vysokomolekulyarnye  
Soyedineniya, Vol 13B, No 6, 1971,  
pp 438-441  
NTC 72-12184-111

July 72

Thermal Structuration of Unsaturated Polyesters  
by S. V. Vinogradova, V. V. Kershak, et al.  
5 pp.  
RUSSIAN, per, Wykormolekulyarnyye Soedineniya.  
Kratkiye Soobshcheniya. Seriya B, No 1, 1967,  
pp 31-33.  
ADU/AMU/ET-23-333-68

sci/chemistry  
may 69

380,110

new Ferrocene-Containing Polymers, by  
T. A. Tokolinskaya, T. N. Vishnyakova, et al.  
8 pp.

Abstract, for, Vysokomolekulyarnyye Soedineniya.  
Seriya B. Kratkiye Soobscheniya, Vol. 8, No. 3,  
1967, pp. 237-240.

II/PDB/IR-23-1371-68

sci/chemistry  
nov 69

397,068



Heat Capacity of Amorphous and Crystalline  
Polyethylene Terephthalate at Low Temperatures,  
by Ye. Yu. Roinishvili, M.N. Tavkhelidze, and  
V. B. Akopyan.  
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya.  
Seriya B. Kratkiye Sodobshcheniya, Vol 9, No 4,  
1967, pp 254-256.  
FFD-S-286

FFD-S-286 457-68

Jan 69

374,220

Degradation of Polymer Chains During an Ir-  
radiation Period of Inhibited Oxidation, by  
B. A. Gromov, V. B. Miller, et al. 6 pp.  
RUSSIAN, per, Vysokomolekulyarnyye Soedineniya.  
Kratkiye Soderzheniya, Vol 9, No 5,  
1967, pp 352-355.  
AIR/PRY/IT-233961-68  
23-567-62

sci/chemistry

Fluorinated Polybenzimidazoles. II, by  
R. M. Gitina, I. Ye. Kardash.  
RUSSIAN, per, Vysokomolekulyarnyye Soyed-  
ineniya. Kratkiye Soobshcheniya, Seriya B,  
Vol 9, No 6, 1967, pp 447-452.  
AIR/FTD/HT-23-381-68

Sci-Chem  
Apr 69

379,566

On the Synthesis of High-Molecular Fluorinated  
Polycyclopentadiene, by Ye. L. Zaytseva, L. I. Citina,  
et al. 3 pp.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya.  
Kratkiye Soobschdeniya. Seriya B, Vol 9, No 7,  
1967, pp 498-499.  
AIR/PTD/AN-23-326-68

sci/chemistry  
Mar 70

402,803 803

Studying the Adduct of Dehydrated Polyvinyl Alcohol  
Fiber with Maleic Anhydride, by Ye. Ya. Danilova,  
Yu. K. Kirilenko.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya  
Seriya B. Kratkiye Soobshcheniya, Vol 9, No 8,  
1967, pp 615-617.

FTD-S-159 154-68

154-68

Nov 68

353,555

Infrared Spectra and Structure of Linear and Reticular  
Polydioxolanes, by V. P. Roshchupkin, B. V. Ozer-  
kovskiy.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,  
Seriya B. Kratkiye Soobshcheniya, Vol 9, No 9,  
1967, pp 723-726.

FTD-S-158 753 655

153-68

Nov 68

353,557

Optical Anisotropy of Molecules of Linear  
Methylphenylsiloxane Polymers, by V. N. Tsvetkov  
and K. A. Andrianov.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya.  
Seriya B. Kratkiye Soobshcheniya, Vol 9, No 12,  
1967, pp 893-896.  
RFD-S-329

Jan 69

374,347

Structure of Polymer Films Formed From Hexamethyldi-  
siloxane on a Solid Surface During Glow Discharge.

by V. V. Tkachuk, V. M. Kolotyarkin.

RUSSIAN, per, Vyskomolekulyarnyye Soyedineniya.

Seriya B. Kratkiye Sootshcheniya, Vol 10, No 1,  
1968, pp 24-26.

FTD-S-242

*FTD Special 538-68*

Jan 69

574,204



Crystallization of Cellulose Acetate  
Sorbates, by F. A. Akhmedov, G. Sh. Talipov.  
RUSSIAN, per, Vysokomokulyarnyye Soyedin-  
eniya. Seriya B. Kratkiye Soobshcheniya,  
Vol 10, No 1, 1968, pp 60-63.  
FTD-S-334

FTD # 334-100

Feb 69

374,436

Anomalous Viscoelastic Properties of  
Polytrifluorichloroethylene in a Low  
Temperature Area, by I. I. Perepechko.  
RUSSIAN, per, Vysokomolekulyarnyye Soyed-  
eniya, Seriya B. Kratkiye Soobshcheniya,  
Vol 10, No 3, 1968, pp 148-149.  
FTD ~~S-396~~

Mar 69

376,312

Polymerization of Acrylamide Under the Influence  
of Organometallic Compounds and Their Complexes  
With Titanium Tetrachloride, by G.M. Chetyrkin,  
I. L. Artamonova, K.K. Kal'nin'sh, and A.V.  
Sidorovich.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya  
Seriya B. Kratkiye Sodobshcheniya, Vol 10, No 3  
1968, p. 150.

FTD-S-299

352  
11/1/68

Feb 69

574,270

On the Theory of Friction of Elastomers,  
by K. K. Ostreyko.  
RUSSIAN, per, Vysokomolekulyarnyye Soyed-  
eniya, Seriya B. Kratkiye Soobshcheniya,  
Vol 10, No 4, 1968, pp 285-287.  
FTD-S-595

*FTD Special Report*

Mar 69

376,311

Effect of Polarity of the Medium on  
Specific Radical Reactivity of Poly-  
conjugate Compounds, by A. A. Berlin.  
RUSSIAN, per, Vysokomolekulyarnyye Soy-  
edineniya, Seriya B. Kratkiye Soobshch,  
No 5, 1968, pp 366-370.  
FTD-S-425

470 J. C. L. 11-67

Mar 69

377,236

New Way of Increasing the Thermal Stability of  
Polyurethanes, by B. F. Malichenko, et al. 2 pp.  
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,  
Kratkiye Soobshcheniya, Seriya B, Vol 10, No 6,  
1968, p 395  
FTD S-619

june 69

383,023

Studying the Rotations of Molecular Groups in  
Methylacrylate and Vinylacetate Polymers by the  
Method of Infrared Spectroscopy, by  
O. N. Trapeznikova, et al. 6 pp.  
RUSSIAN, per, Vysokomolekulyarnyye Soedineniya.  
Seriya B. Kratiye Soedineniya, Vol 10, No 6,  
1968, pp 441-444  
FTD-S-637

june 69

384,144

Oligoester Urethanes with Disubstituted Nitrogen  
Atoms in the Chain, by V. P. Kutyushov, et al.

2 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya.  
Seriya B. Kratkiye Sodobshcheniya, Vol 10, No 7,  
1968, pp 478.

~~END-6-673~~

77D 315-69 ~~End-6-673~~

july 69

384,244



New Syntheses of Polybenzimidazoles, by  
V. V. Kossnak, S. V. Vinogradova. 3 pp.  
Abstract, per, vysokoi dokulizatsiya Soyedineniya  
Karlisa S. Kratskiye Soobshcheniya, Vol 10, No 7,  
1963, pp 481-482.  
ADP/ADP/AD-23-279-69

Sci/ Chemistry  
sept 69

390,974

Poly-(Aroylene-Bis-Benzimidazole) From  
Dianhydride of Perylene-3,4,9,10-Tetra-  
carboxylic Acid and 3,3-Diaminobenzidine,  
by B. I. Liogon'kiy.

RUSSIAN, per, Vysokomolekulyarnyye Soy-  
edineniya, Seriya B. Kratkiye Soobshch,  
No 8, 1968, pp 574-578.

FTD-S-422

*FTD S-422 10-67*

Mar 69

377,235

Investigation of the Thermal Oxidation Degradation of Polytrifluorostyrene by Spectroscopy, by Ts. G. Danayevskaya, L. I. Karutina. 5 pp. RUSSIAN, per, Vysokomolekularnye Soedineniya, Seriya B. Khimicheskoe Soobshcheniya, Vol 10, No 11, pp 868-869.  
ADR/110/11-23-431-69

sci/abstract:  
par 70

404,412

Copolymerization of Esters of Bis(Allyloxymethyl)  
Phosphinic Acid with Methylmethacrylate, by  
L. A. Yeliseyeva, I. M. Shermorgorn, et al. 5 pp.  
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,  
Seriya B. Kratkiye Soobshcheniya, Vol 11, No 2,  
1969, pp 104-106.  
AIR/FTD/HT-23-482-70

Sci-Chem  
Dec 70

Investigation of the Kinetics of the  $-C\equiv N$  Bond  
Transformation in Polyacrylonitrile by IR  
Absorption Spectra, by N. A. Kubasova,  
M. M. Kusakov. 5 pp.  
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya.  
Seriya B. Kratkiye Soobshcheniya, Vol 11, No 3,  
1969, pp 193-196.  
AIR/FTD/HT-23-155-70

Sci-Phys  
June 70

The Dielectric Properties of Polymer Materials  
During Pulsed  $\gamma$ -Neutron Irradiation, by  
V.V. Zubov, V. F. Khokhryakov, et al. 2 pp.  
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya  
Seriya B, Kratkiye Soobshcheniya, Vol 11, No 5,  
1969, pp 324-325.  
FTD HT 23-191-70

Sci-Phys  
Sep 70

Mechanism of the Antioxidative Effect of the  
2,4,6-Tri-Tert-Butylphenyl Ester of Pyrocatechin-  
phosphorous Acid, by E. P. Yurevichens and  
Ya. A. Shlyapnikov. 6 pp.

RUSSIAN, per, Vysokomolekululyarnyye Soedineniya.  
Kratkiye Soobshcheniya. Seriya B, Vol 11, No 6,  
1969, pp 144-147.

AIR/FTD/HT-23-359-70

sci  
nov 70

REPORT  
CATALYTIC ACTIVITY OF POLYMERS WITH  
CONJUGATED BONDS IN THE DEHYDRATION OF  
DIACETONE ALCOHOL  
PAGSHEN VA M  
UR: VYSONOROLEKULYARNYYE SOYEDINENIYA  
BEREYA B, KRATKIYE SOOBSHCHENIYA  
1970 vol 11 nr 5, pp 1354-1356



1000 BR 0800K

20-4-39

ENCLOSURE

MAKSYEV Y. E. P. 1938 MAZUREK S. E.  
UR: VYSCHENSKAYA S. E. 1938  
BRATKIYE SODRUZHESHTVENNYE DZHEKTA B  
1970, vol 12, nr 1, pp 31-35

*In process as*

MT-24-71-1224

*met  
2-4-39*

TR CHECK

4-8-33

TG71

CHEMICAL INTERACTION OF BUTADIENE NITRILE  
RUBBER AND CHLORINATED POLY(VINYL CHLORIDE)  
STUDIED BY AN INFRARED SPECTROSCOPIC METHOD  
PLIYEV T N

UR: VYSOKOMOLEKULYARNYYE SOYEDINENIYA  
SERIYA B. KRATKIYE SOOBSHCHENIYA  
1970, vol 12, nr 11, pp 799-802

*In process as**175-72-23-0501**negative  
8/9/71*

REQ TR CHECK

4-11-2

TW97

THE DEGRADATION OF SEVERAL TIN CONTAINING  
POLYMERS

GLUKHOV N A

UR: VYSOKOMOLEKULYARNYE SOYEDINENIYA,

KRATKIYE SOOBSHCHENIYA. 1970. vol 12.

nr 12, pp 802-803

SERIYA B

*For processing*  
*HS-23-71-1854 Negative*  
*9 Nov 71*

Investigation of the Process of Formation of Crosslinked Polyurethane on the Basis of Oligomers in the One-Stage Method, by A. Ye. Nesterov, 7 pp.

VYSOKOMOLEKULYARNYYE SOYEDINENIYA. SERIYA B. KRATKIYE  
SOOBSHCHENIYA, Vol 13, No 5, pp 346-349. 777  
AIR/FTD/HT-83-1129-72

Feb 73

An Investigation of the Structure of Poly-Acrylonitrile  
by a Method of Experimental Correlations Between the  
IR-Spectroscopic and Strength Characteristics, by  
I. B. Klimenko, 5 pp.

VYSOKOMOLEKULYARNIYE SOYEDINENIYA. SERIYA B. KRATKIE  
SOBSHCHENIYA, Vol 13, No 7, 1971, pp 547-549.

AIR/FTD/HT-23-1080-72

Jan 73

Heat Conductivity of Pure Oxide Ceramics, by  
L. G. Guderov, D. A. Polubogorinov. 16 pp.  
RUSSIAN, rpt., Vysokotemperaturnye Materialy, 1966  
pp. 92-105.  
AD/PH/AD-23-1285-68

sci/physics  
nov 69

397,060

MONTAN

Comp  
Spec 42ppCNO: CNYOL/12  
10 May 1972

High-strength stainless wire, by A. I. Kolyadnikov,  
et al.

Moscow, Vysokomestoyaneniye nakhodivshisya v  
1971, pp 7-8, 155-156.

Please publish, make reproductions, and provide  
JRC/ad hoc with four (4) copies and the source.

High-Strength Austenitic Steels, by  
A. V. Arslanov, A. V. Palev, 141 p.  
RUSSIA, bk, Vysokoprochnyye Austenitnyye Stali.  
Moscow, 1969, 248 pp.  
DLC 52377

Apr 71



High-Strength Oriented Fiberglass. Vol 1 of 2,  
by L. B. Andonyevskaya. 481 p.  
ИЗДАНИЕ, ВЫСОКОПРОЧНЫЕ ОРИЕНТИРОВАННЫЕ  
СТЕКЛОПЛАСТИКИ, 1966, pp 1-195.  
NII/TM/MI-23-621-68 Vol 1 of 2

sci/ materials  
nov 69

396,990

High-Strength Oriented Fiberglass. Vol 2 of 2,  
by G. D. Andreyevskaya. 481 pp.  
NIISTEN, bk, Vysokomochimye Orientirovannyye  
Stekloplastiki, 1966, pp 197-481.  
AIN/ITD/IN-23-621-68 Vol 2 of 2

sci/ materials  
ncv 69

396,991

Brief Summary of the Scientific and Scientific-Organizational Activity of the Polar Geophysical Institute (PGI) and Prospects of Future Research, by S. I. Isayev. 17 pp.  
RUSSIAN, per, Vysokoskrotnyye Issledovaniya v Oblasti Geomagnetizma i Aeronomii, 1966, pp 5-18.  
JPRS 40573

USSR  
Sci-Ear Sci  
Apr 67

319,690

Spatial Distribution of Sporadic E<sub>s</sub> in the  
Polar Cap, by E. V. Sukhorukova, 7 pp.  
RUSSIAN, per. Vysokoshirotnyye Issledovaniya v  
Oblasti Geomagnetizma i Aeronomii, 1966, pp. 52-  
57.

JPRS 40573

USSR  
Sci-Ear Sci  
Apr 67

319,691

Soviet Research on Selection of Optimal  
Working Communication Frequencies, by Yu. G.  
Mizun, 11 pp.  
RUSSIAN, symposium, Vysokoshirotnyye Issledo-  
vaniya v Oblasti Geomagnetizma i Aeronomii,  
1966, pp. 102-111.  
JPRS 39977

USSR  
Sci-Communication-Navigation  
Mar 67

319,465

High Speed Deformation and the Structure of Metals,  
by G. N. Yepshteyn.

RUSSIAN, bk, Vysokoskorostnaya Deformatsiya i  
Struktura Metallov, 1971, 197 pp.

\*RSTC-HT-23-1041-72

Dec 71

The Problem of Determining the Actual Degree of Deformation and the Nature of Contact Friction in Upsetting R18 Steel Under Conditions of High Loading Rates, by P. A. Meshchanchuk, Y. P. Sogrishin. 11 pp.

RUSSIAN, per, Moscow, Vysokoskorostnaya Ob "yennaya Shtampovka Protessy i Oborudovaniye, No 21, 1969, pp 85-92.

AIR/FTD-HC-23-347-71

Oct 71

High-Speed Gas-Lubricated Journal Bearings, by  
A. N. Bragin, Ye. A. Panfilov. 87 pp.  
RUSSIAN, bk, Vysokoskorostnyye Podshipniki  
Skol'zheniya s Gazovoy Smazkoy, 1966, pp 1-71.  
AIR/FTD/HC-23-606-69

Sci-Mech  
Dec 70



High Temperature Materials, by Ye. N. Marmor,  
O. S. Gurvich. 255 pp.

RUSSIAN, bk, Vysokotemperaturnyye Materialy,  
1967, pp 1-215.

AIR/FTD/MT-24-270-68

Sci-Materials

Nov 69

396,722



DC

22851

27 Feb 69 SF

High Temperature Materials by P.I. Polukhin (ed.)

Russian, book, Vysokotemperaturnyye Materialy,  
1968,

translate the annotation and the abstracts  
of articles with the bibliographic info.

Special Type "B": Translator's draft plus one

pp-do not mutilate

High-Temperature Nonmetallic Thermocouples  
and Sheaths, by G. V. Samsonov, et al,  
RUSSIAN, bk, Vysoko-Temperaturnyye Nemet-  
allicheskiye Termopary i Nakonechniki,  
1965, 180 pp.

•CB

Sci-Materials

Nov 66

Thermal Expansion of the Solid Solutions of  
Refractory Metals in Groups IV, V, and VI of the  
Periodic System, by K. S. Prodantseva, 9 pp.  
RUSSIAN, bk, An UKRSSR. Institute Problem Materialo-  
vedeniya. Vysokotemperaturnyye Neorganicheskiye  
Soyedineniya, 1965, pp 41-47.  
FTD-MT-24-1396-71

Aug 72

(AEC-tr-6873) HIGH TEMPERATURE INORGANIC  
COMPOUNDS. Samsonov, G. V. Translation of Vysoko-  
temperaturnye Neorganicheskie Soedineniya, Izdatel'stvo Naukova  
Danka, Kiev, 1965. 624p. (TT-67-59068). Dep. N° IS.

chemistry (physical); materials; metallurgy; physics 07D, 11,  
11F, 20

MN-2 P NSA

Temperature Dependence of Thermoelectromotive  
Force and Specific Electrical Resistance of  
Titanium, Vanadium, Chromium, and Their Borides,  
Carbides, and Nitrides, by S. N. L'vov,  
V. F. Nemchenko.

RUSSIAN, per, Vysokotemperaturnye Neorganicheskie  
Soedineniya, 1965.

AEC LA-tr-67-17

Sci - Hat  
Sept 67

342,295

Measurement of Thermal Conductivity and Electrical  
Resistance of ZrC, HfC, NbC, and TaC at High  
Temperatures, by Yu. B. Paderno, I. G. Barantseva,  
V. L. Yupka,  
RUSSIAN, per, Vysokotemperaturnye Neorganicheskie  
Soedineniya, 1965.  
AEC LA-tr-67-18

Sci - Chem  
Oct 67

342,296